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浙江凤仙花属新分类群*

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New taxa of *Impatiens* L. (Balsaminaceae) from Zhejiang, China

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关键词 凤仙花科；凤仙花属；九龙山凤仙花；浙皖凤仙花；遂昌凤仙花；长距天目山凤仙花；新分类群；中国

1 九龙山凤仙花 新种 图1

Impatiens jiulongshanica Y. L. Xu et Y. L. Chen, sp. nov. Fig. 1

Species habitu et forma foliorum *I. chekiangensi* Y. L. Chen valde similis, sed a qua pedunculis 4～6-floris, floribus albis racemosim dispositis, sepalis lateralibus ovatis, lobis distalibus alae lanceolatis, bracteis deciduis facile differt.

Herba annua, 18～55 cm alta, glaberrima. Caulis erectus, simplex. Folia alterna, petiolata, membranacea, ovato-elliptica, 10～15 cm longa, 3～5 cm lata, apice breviter caudata, basi cuneata, glandulis setiformibus 2～3-paribus instructa, margine crenata, setulis interjectis, nervis lateralibus 7～9-paribus; petioli 2～4 cm longi; folia suprema conferta, breviter petiolata. Pedunculi robusti, erecti, in axillis foliorum superiorum solitarii, 3～5.5 cm longi, 4～6-flori; pedicelli graciles, 0.8～1.7 cm longi, basi bracteati; bracteae membranaceae, late ovatae, 3 mm longae, cuspidatae, deciduae. Flores racemosim dispositi, usque 3.5 cm longi, albi. Sepala lateralia 2, ovata, circ. 5 mm longa, 3 mm lata, mucronulata. Vexillum suborbiculare, 7 mm longum, 6 mm latum, apice paullo emarginatum, costa dorso leviter incrassata, anguste carinata. Alae stipitatae, 16～18 mm longae, bilobatae; lobus basalis late triangulatus, distalis lanceolatus, apiculatus; auricula dorsalis nulla. Labellum infundibulare, 2.5～2.8 cm longum, ore horizontali, 10～12 mm lato, antice acuto, basi in calcar 15～18 mm longum attenuatum. Filamenta linearia, 3 mm longa; antherae ovoideae, obtusae. Ovarium lineare, 3～4 mm longum. Capsula lineari-cylindrica, 3.5 cm

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* "三志"编研内容之一。
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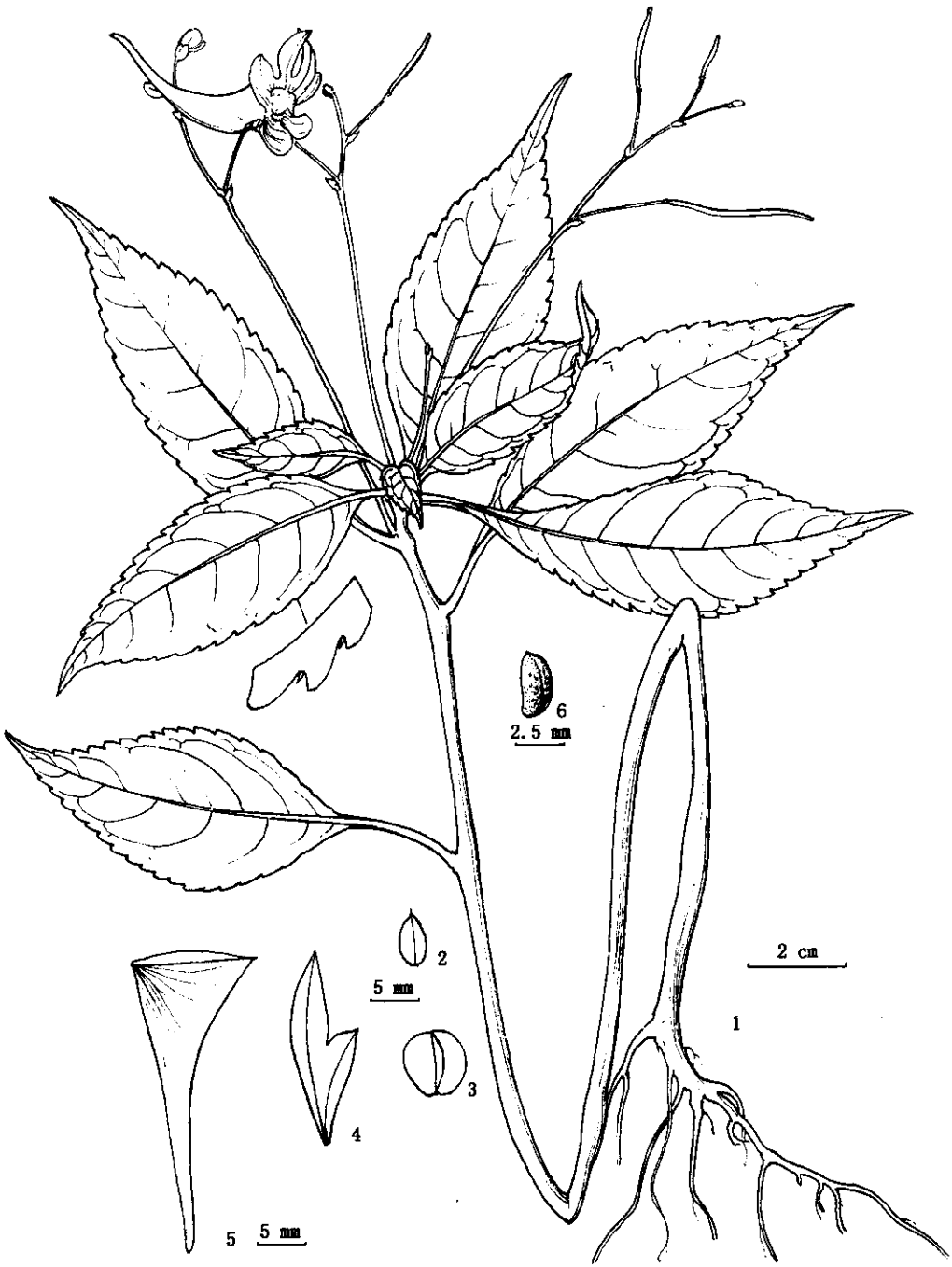

图 1　九龙山凤仙花　1. 植株；2. 侧生萼片；3. 旗瓣；4. 翼瓣；5. 唇瓣；6. 种子。
Fig. 1　*Impatiens jiulongshanica* Y. L. Xu et Y. L. Chen　1. Plant; 2. Lateral sepal; 3. Standard; 4. Wing; 5. Lip; 6. Seed.

longa, apice rostrata. Semina 5～6, oblonga, 3～4 mm longa, fusca, rugulosa. Fl. et Fr. August.

Zhejiang(浙江): Suichang(遂昌), Jiulongshan(九龙山), alt. 1400 m, sub sylvis deciduis, 1992-10-10, Y. L. Xu(徐耀良)157(holotypus, ZHNM); ibid., alt. 1000 m, 1991-10-13, Y. L. Xu 1541; ibid., alt. 1200 m, 1991-08-18, Y. L. Xu 1184, 1220.

本种的外貌和叶形极似浙江凤仙花 *I. chekiangensis* Y. L. Chen,但总花梗具4～6花;花白色,总状排列,侧生萼片卵形;翼瓣上部裂片披针形;苞片脱落与后者容易区别。

2 浙皖凤仙花 新种 图2

Impatiens neglecta Y. L. Xu et Y. L. Chen, sp. nov. Fig.2

I. blepharosepala auct. non Pritz. ex Diels: Fl. Zhejiang. 4: 91. 1993, excl. fig.4～113.

Species *I. blepharosepalae* Pritz ex Diels proxima, sed a qua sepalis lateralibus ovato-rotundatis, inaequilateralibus, margine eciliatis, alae auriculis dorsalibus lunatis, reflexis, labelli ore horizontali, 15 mm lato, antheris acutis differt.

Herba annua, 30～60 cm alta, glaberrima. Caulis erectus, laxe ramosus. Folia alterna, membranacea, oblongo-ovata, 7～13 cm longa, 3～6 cm lata, apice acuminata, basi cuneata, saepe glandulis globosis 1～3-paribus instructa, margine grosse serrata, mucronulata, nervis lateralibus 5～7-paribus; petioli 1.5～4 cm longi. Pedunculi robusti, erecti, in axillis foliorum superiorum solitarii, uniflori; pedicelli graciles, supra medium bracteati; bracteae lanceolatae, 2 mm longae, persistentes. Flores pallide purpurei, 2.5～3.5 cm expansi. Sepala lateralia 2, ovato-rotundata, inaequilateralia, 6～7 mm longa, apice rotundata, mucronulata, costa dorso incrassata, anguste alata. Vexillum late ovatum, 10 mm longum, 12 mm latum, apice rotundatum, basi leviter cordatum, costa dorso alata. Alae stipitatae, bilobatae, 1.7 cm longae; lobus basalis ellipticus, distalis oblongus; auricula dorsalis lunata, reflexa. Labellum late infundibulare, 4.5 cm longum, basi in calcar 3.5 cm longum incurvum attenuatum, ore horizontali 15 mm lato, antice cuspidato. Filamenta linearia, circ. 4 mm longa; antherae ovoideae, acutae. Ovarium lineare, 4 mm longum. Capsula lineari-cylindrica, 3～4 cm longa. Semina ellipsoidea, fusca, 4～5 mm longa, rugulosa. Fl. & Fr. Jul. – Oct.

Zhejiang(浙江): Linan(临安), Changhua(昌化), Longtangshan(龙塘山), 1957-08-24, H. Y. Ho(贺贤育)26381(holotypus, HZBG); ibid., 1959-10-26, 123(HZBG); 1986-08-21; Z. Wei *et al*.(韦直等)0056; Linan, Mt. Xitianmu(西天目山), H. Y. Ho 25925; Kaihua(开化), 1958-08-05, 29882(HZBG); Chunan(Tsunan 淳安), 1958-08-23, 30128(HZBG); Tonglu(Tunglu 桐庐), 1978-10-01, L. Hong(洪林) s. n.; **Anhui**(安徽): Mt. Huangshan(黄山), 1957-09-01, L. K. Fu(傅立国)0798.

本种近似睫毛萼凤仙花 *I. blepharosepala* Pritz ex Diels, 但侧生萼片卵圆形,不等侧,边缘无睫毛;翼瓣背部具月牙形反折的小耳;唇瓣口部平展,宽15 mm;花药顶端尖,与后者相区别。

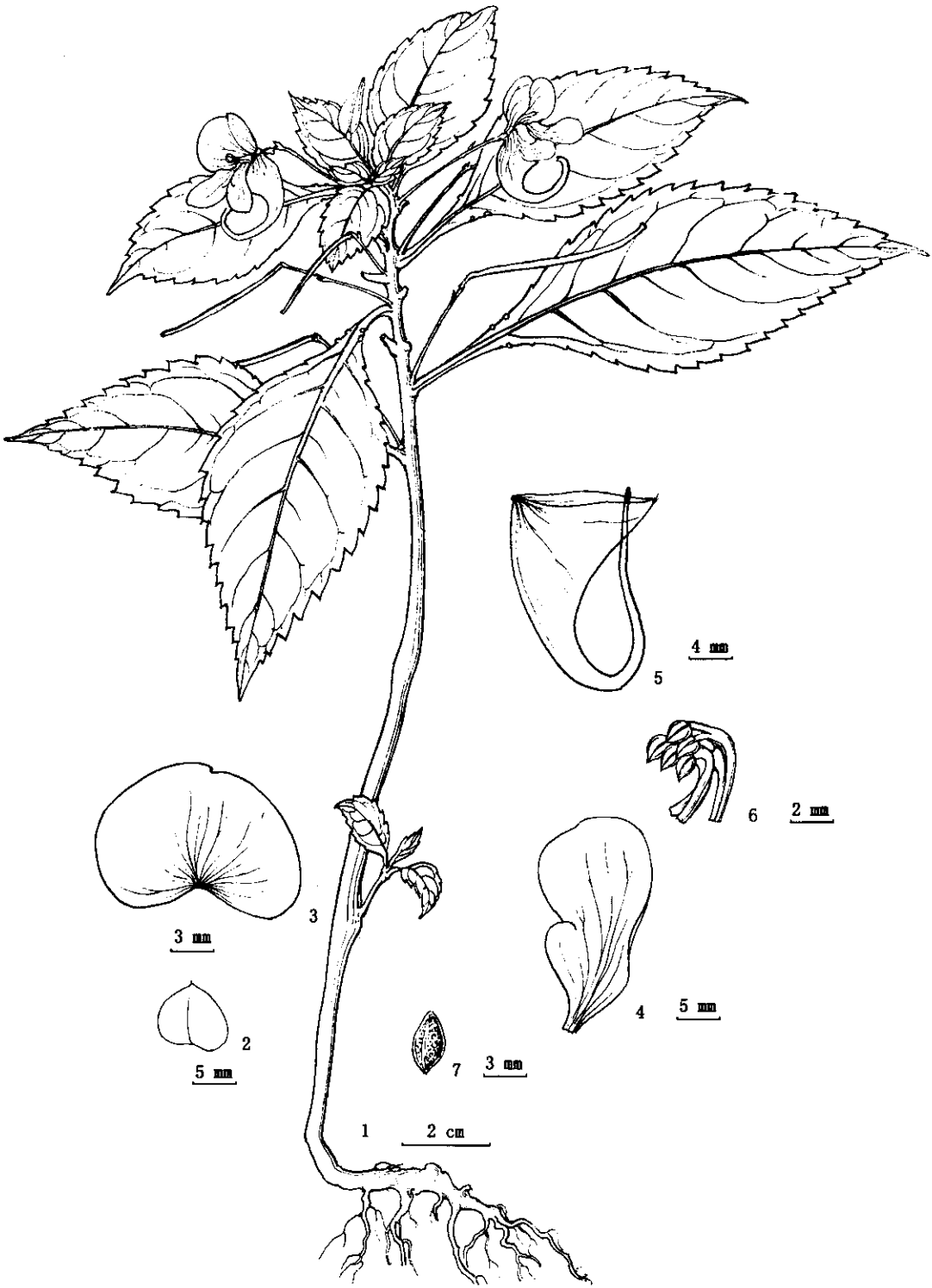

图 2　浙皖凤仙花　1. 植株；2. 侧生萼片；3. 旗瓣；4. 翼瓣；5. 唇瓣；6. 花丝及花药；7. 种子。
Fig. 2　*Impatiens neglecta* Y. L. Xu et Y. L. Chen　1. Plant; 2. Lateral sepal; 3. Standard; 4. Wing; 5. Lip; 6. Filaments & anthers; 7. Seed.

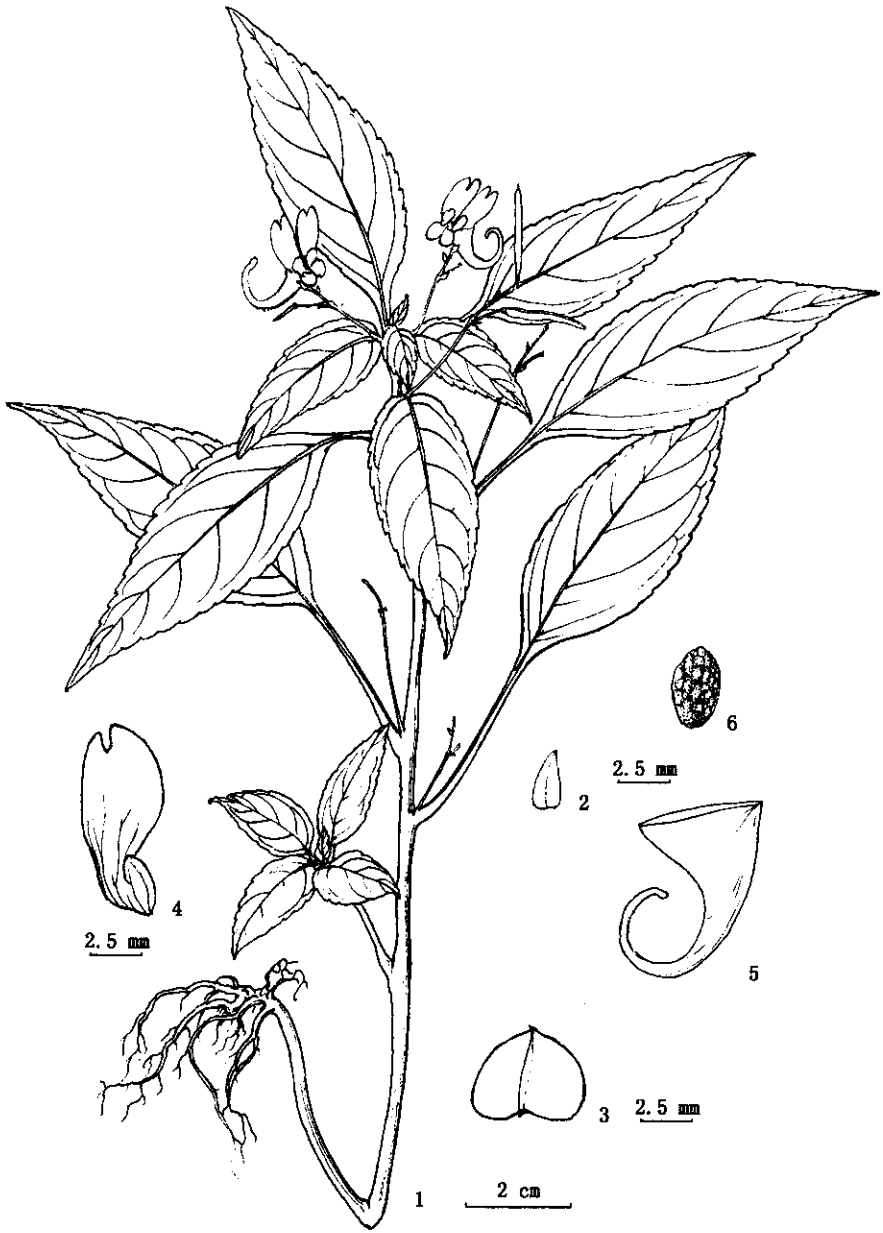

图3 遂昌凤仙花 1. 植株；2. 侧生萼片；3. 旗瓣；4. 翼瓣；5. 唇瓣；6. 种子。
Fig.3 *Impatiens suichangensis* Y. L. Xu et Y. L. Chen 1. Plant; 2. Lateral sepal; 3. Standard; 4. Wing; 5. Lip; 6. Seed.

3 遂昌凤仙花 新种 图3

Impatiens suichangensis Y. L. Xu et Y. L. Chen, sp. nov. Fig.3

Species habitu *I. fargesii* Hook. f. affinis, sed a qua pedunculo 2-floro, floribus flavis, sepalis lateralibus costis dorso non carinatis, vexillo costa dorso incrassato, anguste carinato, antheris apice obtusis, bracteis persistentibus facile differt.

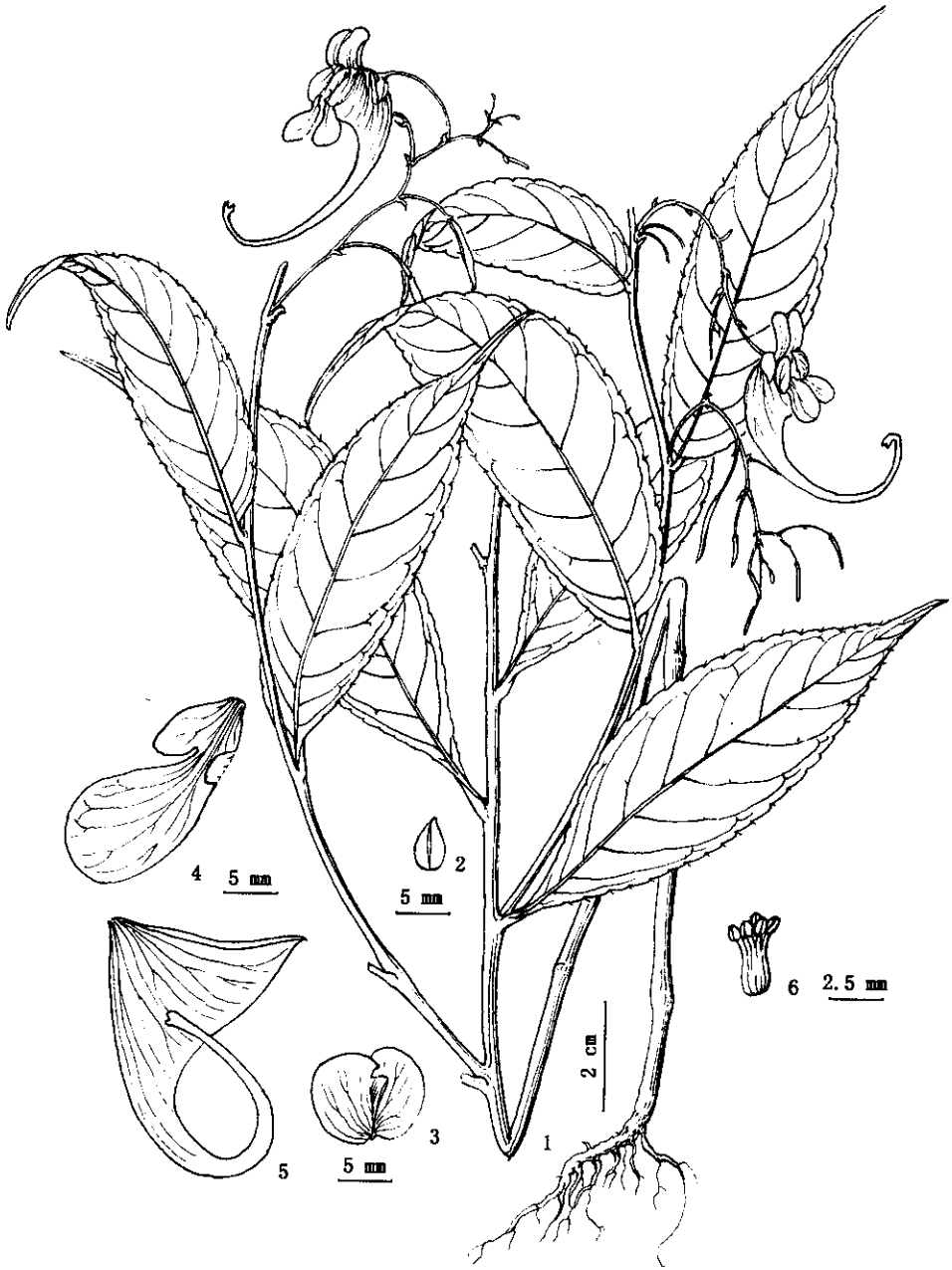

图 4　长距天目山凤仙花　1. 植株；2. 侧生萼片；3. 旗瓣；4. 翼瓣；5. 唇瓣；6. 花丝及花药。
Fig. 4　*Impatiens tienmushanica* Y. L. Chen var. *longicalcarata* Y. L. Xu et Y. L. Chen
1. Plant; 2. Lateral sepal; 3. Standard; 4. Wing; 5. Lip; 6. Filaments and anthers.

Herba annua, 20 ~ 50 cm alta, glaberrima. Caulis erectus, ramosus. Folia alterna, membranacea, ovata vel longe ovata, 2.5~7.5 cm longa, 1.5~2.8 cm lata, apice acuminata, basi late cuneata, glandulis stipitatis 1-paribus instructa, margine crenato-serrata, mu-

cronulata, nervis lateralibus 4～5-paribus; petioli 2～4 cm longi. Folia suprema confertiora, breve petiolata. Pedunculi in axillis foliorum superiorum solitarii, erecti, 1～2.5 cm longi, 2-flori; pedicelli graciles, basi bracteati; bracteae membranaceae, lanceolatae, 2.5 mm longae, acutae, persistentes. Flores flavi, 1.5 cm expanxi; sepala lateralia 2, ovata, circ 2.5 mm longa, acuta. Vexillum late ovatum, 3.5 mm longum, 4 mm latum, apice rotundatum, costa dorso anguste carinata. Alae sessiles, 8～10 mm longae, bilobatae; lobus basalis parvus, ovatus, distalis dolabriformis, apice excisus. Labellum infundibulare, 1.6 cm longum, basi in calcar 11 mm longum incurvum attenuatum, ore horizontali, 5 mm lato, antice cuspidato. Filamenta linearia, 2 mm longa; antherae ovoideae, obtusae. Ovarium lineare, 2 mm longum. Capsula fusiformis, 12～18 mm longa, apice breviter rostrata. Semina 2～4, ellipsoidea, 2～3 mm longa, fusca, tuberculata. Fl. et. Fr. Sept. -Oct.

Zhejiang(浙江): Suichang(遂昌), Mt. Jiulong(九龙山), alt. 1150 m, in sylvis deciduis, 1992-10-10, Y. L. Xu(徐耀良)1570(holotypus, ZHNM); ibid., alt. 1100 m, 1992-10-13, Y. L. Xu 1550.

本种与川萼凤仙花 *I. fargesii* Hook. f.相近，总花梗具2花;花黄色,侧生萼片背面中肋无龙骨状突起;旗瓣的背面中肋增厚,具狭龙骨状突起;花药顶端钝;苞片宿存,与后者容易区别。

4 长距天目山凤仙花 新变种 图4

Impatiens tienmushanica Y. L. Chen var. **longicalcarata** Y. L. Xu et Y. L. Chen, var. nov. Fig.4

A typo labello basi in calcar 4 cm longum producto differt.

Zhejiang(浙江): Suichang(遂昌), Mt. Jiulong(九龙山), alt. 1000 m, in sylvis deciduis, 1992-10-13, Y. L. Xu(徐耀良)1540(holotypus, ZHNM); ibid., alt. 900 m, 1991-08-17, Y. L. Xu 1165,1221.

此变种以唇瓣基部具长约4 cm的长距与原变种相区别。

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